

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1780	(sweep\$4 or swept or flush\$4 or dump\$4 or reset\$4 or scan\$5) with (frequency or clock or timing) with (half or reduc\$4 or decreas\$4 or minimiz\$4 or slower\$4) same (ccd or sensor or pixel or photodiode or photosensor or photodetector or imager)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 13:09
L2	1463	(sweep\$4 or swept or flush\$4 or dump\$4 or reset\$4 or scan\$5) with (frequency or clock or timing) with (half or reduc\$4 or decreas\$4 or minimiz\$4 or slower\$4) same (ccd or sensor or pixel or photodiode or photosensor or photodetector or imager) and image	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 13:12
L3	585	(sweep\$4 or swept or flush\$4 or dump\$4 or reset\$4 or scan\$5) near3 (frequency or clock or timing) with (half or reduc\$4 or decreas\$4 or minimiz\$4 or slower\$4) same (ccd or sensor or pixel or photodiode or photosensor or photodetector or imager) and image	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 13:15
L4	165	(sweep\$4 or swept or flush\$4 or dump\$4 or reset\$4 or scan\$5) near3 (frequency or clock or timing) with (half or reduc\$4 or decreas\$4 or minimiz\$4 or slower\$4) same (ccd or sensor or pixel or photodiode or photosensor or photodetector or imager) same (voltage or energy or power or current) and image	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 17:12
L5	2	"6292220".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 13:35
L6	55	(nelson with hernandez).xa.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 13:35
L16	6	("4281339"   "4907089"   "5144444"   "5523786"   "5572155"   "5625414").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/20 14:15

## EAST Search History

L17	20	("20020015592"   "20040032501"   "3971065"   "4937676"   "5028997"   "5493409"   "5539194"   "5661506"   "5715493"   "5734414"   "5748326"   "5894326"   "6014457"   "6081422"   "6124892"   "6268882"   "6356308"   "6445417"   "6556245"   "6573939").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/20 15:15
L18	1	"5745646".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/09/20 15:15
L19	6	((sweep\$4 or swept or flush\$4 or dump\$4 or reset\$4 or scan\$5) near3 (frequency or clock or timing) with (half or reduc\$4 or decreas\$4 or minimiz\$4 or slower\$4) same (ccd or sensor or pixel or photodiode or photosensor or photodetector or imager) same (voltage or energy or power or current) and image).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 17:14
L20	18	((sweep\$4 or swept or flush\$4 or dump\$4 or reset\$4 or scan\$5) near3 (frequency or clock or timing) with (half or reduc\$4 or decreas\$4 or minimiz\$4 or slower\$4) same (ccd or sensor or pixel or photodiode or photosensor or photodetector or imager) same (voltage or energy or power or current)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 17:15
S1	445	348/345.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 07:35
S2	37	348/346.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 07:35
S3	84	348/348.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 07:35

## EAST Search History

S4	111	348/350.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 07:35
S5	67	348/353.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 07:35
S6	114	348/354.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 07:35
S7	46	348/355.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 07:35
S8	80	348/356.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 07:36
S9	95	348/221.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 07:36
S10	118	348/224.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 07:36
S11	27	348/235.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 07:36
S12	153	348/234.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 07:36
S13	2342010	camera or imager or ccd or sensor or photo\$1detect\$4 or photo\$1sens\$4 or (imag\$4 near2 (captur\$4 or tak\$4 or pick\$1up or apparatus or device))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/13 10:32

## EAST Search History

S14	5517857	measur\$4 or check\$4 or detect\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/13 10:32
S15	4393643	voltage or power or battery	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/13 10:33
S16	1724941	sweep\$4 or swept or flush\$4 or dump\$4 or reset\$4 or scan\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 13:06
S17	2732111	frequenc\$4 or clock\$4 or timing	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/13 10:34
S18	3385	S17 near4 S13 near5 S16	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/13 10:41
S19	44	S18 with (auto\$1focus\$4 or focus\$4 or zoom\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 07:36
S20	1008595	(auto\$1focus\$4 or focus\$4 or zoom\$4 or lens (operat\$4 near3 lens))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/13 13:51
S21	59	S18 near8 S20	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 07:39
S22	2418	S16 with S17 with S20 and S13	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/13 12:30
S23	1330	S16 near7 S17 with S20 and S13	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/13 12:30

## EAST Search History

S24	1109	S13 and S16 near5 S17 with S20	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/13 13:36
S25	599	348/294.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/13 13:36
S26	76	348/295.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 07:51
S27	281	348/296.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 07:51
S28	230	348/297.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/13 13:37
S29	87	348/298.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 07:52
S30	299	348/312.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 07:52
S31	158	348/314.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/13 13:50
S32	279	348/372.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/13 13:50
S33	29	348/314.ccls. and (focus\$4 or auto\$1focus\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 16:04

## EAST Search History

S34	1008595	(auto\$1focus\$4 or focus\$4 or zoom\$4 or lens (operat\$4 near3 lens) or (automatic adj focus\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/13 13:52
S35	2418	S34 with S16 with S17 and S13	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/13 13:54
S36	320	S34 with S16 with S17 and S13 and "348"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/13 15:06
S39	2	"4074324"	EPO; DERWENT	OR	OFF	2005/10/13 15:08
S40	2	"4937676"	EPO; DERWENT	OR	OFF	2005/10/13 15:09
S41	0	98/18253	EPO; DERWENT	OR	OFF	2005/10/13 15:09
S42	2	"9818253"	EPO; DERWENT	OR	OFF	2005/10/13 15:10
S43	2	"9632265"	EPO; DERWENT	OR	OFF	2005/10/13 15:10
S44	4	"9114336"	EPO; DERWENT	OR	OFF	2005/10/13 15:11
S45	4	"9316323"	EPO; DERWENT	OR	OFF	2005/10/13 15:12
S46	5	"9706958"	EPO; DERWENT	OR	OFF	2005/10/13 18:04
S47	1	"6271876".pn.	EPO; DERWENT	OR	OFF	2005/10/13 18:04
S48	2	"6271876".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/13 18:05
S49	4	hybrid near3 camera and lenticul\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/13 18:06

## EAST Search History

S50	81	combination near3 camera and lenticul\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/13 18:06
S51	35	combination adj2 camera and lenticul\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/13 18:07
S52	25	combination adj camera and lenticul\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/13 18:11
S53	0	EP1324587	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/13 18:11
S54	17	"1324587"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/13 18:11
S55	3	"5669023"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 16:43
S56	5	"5168364" and battery	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 16:45
S57	1	"5168364".pn. and power	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 16:46
S58	2	"5168364".pn. and (power or source or supply or voltage)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 17:27

## EAST Search History

S59	2	"5963255".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 17:43
S60	339	focus\$4 with lens adj stop	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 18:04
S61	0	half near2 press\$4 with lens\$1stop	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 18:05
S62	0	(half or partial\$4) near2 (press\$4 or depress\$4) with lens\$1stop	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 18:08
S63	1	10/068015	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 18:07
S64	0	10/068015 and lens with stop	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 21:43
S65	0	10/068015 and lens-stop	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 18:06
S66	0	10/068015 and lens\$4stop	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 18:06
S67	0	10/068015 and lens with stop	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 18:06



## EAST Search History

S68	0	10/068015 and lens with stop	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 18:06
S69	0	10/068015 and lens and stop	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 18:06
S70	0	10/068015 and stop	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 18:06
S71	1	10/068815 and lens with stop	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 18:08
S72	1	10/068815 and lens with stop and focus and exposur\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 18:15
S73	1037	(half or partial\$4) near2 (press\$4 or depress\$4) with (lens\$1stop or (lens near2 stop) or exposure or AE)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 18:09
S74	170	(half or partial\$4) near2 (press\$4 or depress\$4) with (lens\$1stop or (lens near2 stop) or exposure or AE) and "348"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 18:09
S75	38	(half or partial\$4) near2 (press\$4 or depress\$4) with (lens\$1stop or (lens near2 stop) or exposure or AE) and "348"/\$.ccls. and @ay<"1999"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 18:09
S76	1	10/068815 and lens with stop and focus and exposur\$4 and sweep\$1out and frequenc\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 18:25

## EAST Search History

S77	0	auto\$1exposure with (frequenc\$4 or clock\$4 or timing) with (reset or flush\$4 or dump\$4 or drain\$4 or sweep\$4) with (sensor or imager or ccd)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 18:26
S78	9	(auto\$1exposure or ae or (automatic near2 exposure) or (auto adj exposure)) with (frequenc\$4 or clock\$4 or timing) with (reset or flush\$4 or dump\$4 or drain\$4 or sweep\$4) with (sensor or imager or ccd)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 18:27
S79	1	(auto\$1exposure or ae or (automatic near2 exposure) or (auto adj exposure)) with (frequenc\$4 or clock\$4 or timing) with (reset or flush\$4 or dump\$4 or drain\$4 or sweep\$4) with (sensor or imager or ccd) with (low\$4 or reduc\$4 or half or less\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 18:28
S80	2342010	camera or imager or ccd or sensor or photo\$1detect\$4 or photo\$1sens\$4 or (imag\$4 near2 (captur\$4 or tak\$4 or pick\$1up or apparatus or device))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/10/14 18:33
S81	1724941	sweep\$4 or swept or flush\$4 or dump\$4 or reset\$4 or scan\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 18:33
S82	2732111	frequenc\$4 or clock\$4 or timing	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 18:33
S83	219	S81 near3 S82 with S80 with (ae or exposure or auto\$1exposure or (auto adj exposure) or (automatic adj exposure))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 18:34
S84	119	S81 near3 S82 with S80 with (ae or exposure or auto\$1exposure or (auto adj exposure) or (automatic adj exposure)) and @ay<"1999"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 19:02
S85	26	S81 near3 S82 with S80 with (ae or exposure or auto\$1exposure or (auto adj exposure) or (automatic adj exposure)) and @ay<"1999" and (iris or (lens adj stop) or lens\$1stop)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 19:04

## EAST Search History

S86	10	S81 near3 S82 with S80 with (ae or exposure or auto\$1exposure or (auto adj exposure) or (automatic adj exposure)) same (iris or (lens adj stop) or lens\$1stop) and @ay<"1999"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 19:08
S87	6	"5168364".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 21:43
S88	1	"5168364".pn. and lens and exposure	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/14 21:43
S89	10	"6130420"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/15 13:36
S90	13	10/028644	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/15 15:05
S91	564	image same dct same block same ac same dc	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/15 15:06
S92	16	image same dct same block same ac same dc same (smooth\$4 or blur)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/15 15:11
S93	16	image same dct same (block or division or divid\$4 or area or sub\$1area) same ac same dc same (smooth\$4 or blur)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/10/15 15:12
S94	121	(read\$4out) near5 (tim\$4 or frequenc\$4) with (power or battery) with (level or chang\$4 or drop\$4 or below)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/12 15:47

## EAST Search History

S95	22	(shutter near3 speed) near5 (tim\$4 or frequenc\$4) with (power or battery) with (level or chang\$4 or drop\$4 or below)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/12 15:42
S96	8	(shutter near3 speed) near5 (tim\$4 or frequenc\$4) with (power or battery or (supply near2 voltage)) near5 (level or chang\$4 or drop\$4 or below)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/12 15:42
S97	9	(shutter near3 speed) near5 (tim\$4 or frequenc\$4) with (power or battery or (supply near2 voltage)) near5 (level or chang\$4 or drop\$4 or below)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 15:44
S98	1244	(reset or read\$4out or flush\$4 or drain\$4 or dump\$4 or swep\$4 or swep\$1out) near5 (tim\$4 or frequenc\$4) with (power or battery or (supply near2 voltage)) near5 (level or chang\$4 or drop\$4 or below)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 15:46
S99	546	(reset or read\$4out or flush\$4 or drain\$4 or dump\$4 or swep\$4 or swep\$1out) near5 (tim\$4 or frequenc\$4) with (power or battery or (supply near2 voltage)) near5 (level or chang\$4 or drop\$4 or below) and ((solid near2 state) or ccd or cmos or imager or sensor or photodeector)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 15:56
S10 0	317	S99 and (@ad<"19980710" or @rlad<"19980710")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/12 15:56
S10 1	320	(reset or read\$4out or flush\$4 or drain\$4 or dump\$4 or swep\$4 or swep\$1out) near5 (tim\$4 or frequenc\$4) with (power or battery or (supply near2 voltage)) near5 (level or chang\$4 or drop\$4 or below) and (ccd or imager or sensor or photodeector)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/12 15:56
S10 2	178	S101 and (@ad<"19980710" or @rlad<"19980710")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/12 16:17

## EAST Search History

S10 3	320	((takayuki with kijima) or (masataka with ide)).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/12 16:41
S10 4	6	((takayuki with kijima) or (masataka with ide)).in. and frequency with (swep\$4 or sweep\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/04/12 16:42
S10 5	521	348/345.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 07:35
S10 6	39	348/346.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 07:35
S10 7	94	348/348.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 07:35
S10 8	120	348/350.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 07:35
S10 9	68	348/353.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 07:35
S11 0	118	348/354.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 07:35
S11 1	47	348/355.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 07:36
S11 2	83	348/356.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 07:36

## EAST Search History

S11 3	108	348/221.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 07:36
S11 4	124	348/224.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 07:36
S11 5	30	348/235.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 07:36
S11 6	164	348/234.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 07:36
S11 7	2499658	camera or imager or ccd or sensor or photo\$1detect\$4 or photo\$1sens\$4 or (imag\$4 near2 (captur\$4 or tak\$4 or pick\$1up or apparatus or device))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 07:36
S11 8	1829771	sweep\$4 or swept or flush\$4 or dump\$4 or reset\$4 or scan\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 07:36
S11 9	2887350	frequenc\$4 or clock\$4 or timing	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 07:36
S12 0	3585	S119 near4 S117 near5 S118	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 07:36
S12 1	44	S120 with (auto\$1focus\$4 or focus\$4 or zoom\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 07:38
S12 2	1081097	(auto\$1focus\$4 or focus\$4 or zoom\$4 or lens (operat\$4 near3 lens))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 07:39

## EAST Search History

S12 3	59	S120 near8 S122	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 07:39
S12 4	78	348/295.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 07:51
S12 5	78	348/295.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 07:51
S12 6	295	348/296.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 07:51
S12 7	245	348/297.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 07:51
S12 8	90	348/298.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 07:52
S12 9	328	348/312.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 07:52
S13 0	163	348/314.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 07:52
S13 1	303	348/372.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 07:52

## EAST Search History

S13 2	92	(power or battery or energy) with (measur\$4 or check\$4 or calculat\$4 or verif\$4) with (dump\$4 or reset or flush\$4 or sweeo\$1out or sweep\$4 or swept) with (timing or fequenc\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 07:57
S13 3	53	S132 and (@ad<"19980710" or @rlad<"19980710")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 07:59
S13 4	2419	(power or battery or energy) with (dump\$4 or reset or flush\$4 or sweeo\$1out or sweep\$4 or swept) with (timing or fequenc\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 07:58
S13 5	901	(imager or sensor or camera or phot\$1detect\$3 or photo\$1sens\$3 or ccd or pixel) and (power or battery or energy) with (dump\$4 or reset or flush\$4 or sweeo\$1out or sweep\$4 or swept) with (timing or fequenc\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 07:59
S13 6	579	S135 and (@ad<"19980710" or @rlad<"19980710")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 07:59
S13 7	121	(imager or sensor or camera or phot\$1detect\$3 or photo\$1sens\$3 or ccd or pixel) and (power or battery or energy or vaoltage) with (level) with (dump\$4 or reset or flush\$4 or sweeo\$1out or sweep\$4 or swept) with (timing or fequenc\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 07:59
S13 8	70	S137 and (@ad<"19980710" or @rlad<"19980710")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 08:00
S13 9	18	S138 and image	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 08:02
S14 0	324	((takayuki with kijima) or (masataka with ide)).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 08:03



## EAST Search History

S14 1	531	S140 and frequenc\$4 and sweep\$4 or sweep-out	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 08:04
S14 2	6	S140 and frequenc\$4 and (sweep\$4 or sweep-out)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 08:06
S14 3	1	10/068319	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 08:28
S14 4	3	"6700610".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 08:28
S14 5	1	10/408309	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/12 13:18
S14 6	555	348/345.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:14
S14 7	40	348/346.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:14
S14 8	100	348/348.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:14
S14 9	124	348/350.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:14
S15 0	71	348/353.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:14

## EAST Search History

S15 1	120	348/354.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:14
S15 2	47	348/355.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:14
S15 3	84	348/356.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:14
S15 4	110	348/221.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:14
S15 5	127	348/224.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:14
S15 6	31	348/235.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:14
S15 7	175	348/234.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:14
S15 8	2568541	camera or imager or ccd or sensor or photo\$1detect\$4 or photo\$1sens\$4 or (imag\$4 near2 (captur\$4 or tak\$4 or pick\$1up or apparatus or device))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:14
S15 9	5945210	measur\$4 or check\$4 or detect\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:14
S16 0	4723390	voltage or power or battery	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:14

## EAST Search History

S16 1	1878169	sweep\$4 or swept or flush\$4 or dump\$4 or reset\$4 or scan\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:14
S16 2	2958653	frequenc\$4 or clock\$4 or timing	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:14
S16 3	3690	S162 near4 S158 near5 S161	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:14
S16 5	1114239	(auto\$1focus\$4 or focus\$4 or zoom\$4 or lens (operat\$4 near3 lens))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:14
S16 7	2642	S161 with S162 with S165 and S158	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:14
S16 8	1447	S161 near7 S162 with S165 and S158	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:14
S16 9	1210	S158 and S161 near5 S162 with S165	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:14
S17 0	724	348/294.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:14
S17 1	78	348/295.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:14
S17 2	302	348/296.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:14

## EAST Search History

S17 3	255	348/297.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:14
S17 4	90	348/298.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:14
S17 5	338	348/312.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:14
S17 7	320	348/372.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:14
S17 9	1114239	(auto\$1focus\$4 or focus\$4 or zoom\$4 or lens (operat\$4 near3 lens) or (automatic adj focus\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:14
S18 0	2642	S179 with S161 with S162 and S158	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:14
S18 4	0	98/18253	EPO; DERWENT	OR	OFF	2006/09/20 11:14
S19 6	0	EP1324587	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:14
S20 4	0	half near2 press\$4 with lens\$1stop	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:14
S20 5	0	(half or partial\$4) near2 (press\$4 or depress\$4) with lens\$1stop	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:14

## EAST Search History

S20 6	0	10/068015 and lens with stop	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:14
S20 7	0	10/068015 and lens-stop	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:14
S20 8	0	10/068015 and lens\$4stop	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:14
S20 9	0	10/068015 and lens with stop	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:14
S21 0	0	10/068015 and lens with stop	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:14
S21 1	0	10/068015 and lens and stop	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:14
S21 2	0	10/068015 and stop	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:14
S21 6	1198	(half or partial\$4) near2 (press\$4 or depress\$4) with (lens\$1stop or (lens near2 stop) or exposure or AE)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:14
S22 0	0	auto\$1exposure with (frequenc\$4 or clock\$4 or timing) with (reset or flush\$4 or dump\$4 or drain\$4 or sweep\$4) with (sensor or imager or ccd)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:14

## EAST Search History

S22 3	2568541	camera or imager or ccd or sensor or photo\$1detect\$4 or photo\$1sens\$4 or (imag\$4 near2 (captur\$4 or tak\$4 or pick\$1up or apparatus or device))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:14
S22 4	555	348/345.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:24
S22 5	40	348/346.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:24
S22 6	100	348/348.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:24
S22 7	124	348/350.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:24
S22 8	71	348/353.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:24
S22 9	120	348/354.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:24
S23 0	47	348/355.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:24
S23 1	84	348/356.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:24
S23 2	110	348/221.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:24

## EAST Search History

S23 3	127	348/224.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:24
S23 4	31	348/235.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:24
S23 5	175	348/234.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:24
S23 6	2568541	camera or imager or ccd or sensor or photo\$1detect\$4 or photo\$1sens\$4 or (imag\$4 near2 (captur\$4 or tak\$4 or pick\$1up or apparatus or device))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:24
S23 7	5945210	measur\$4 or check\$4 or detect\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:24
S23 8	4723390	voltage or power or battery	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:24
S23 9	1878169	sweep\$4 or swept or flush\$4 or dump\$4 or reset\$4 or scan\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:24
S24 0	2958653	frequenc\$4 or clock\$4 or timing	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:24
S24 1	3690	S240 near4 S236 near5 S239	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:24
S24 3	1114239	(auto\$1focus\$4 or focus\$4 or zoom\$4 or lens (operat\$4 near3 lens))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:24

## EAST Search History

S24 5	2642	S239 with S240 with S243 and S236	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:24
S24 6	1447	S239 near7 S240 with S243 and S236	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:24
S24 7	1210	S236 and S239 near5 S240 with S243	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:24
S24 8	724	348/294.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:24
S24 9	78	348/295.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:24
S25 0	302	348/296.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:24
S25 1	255	348/297.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:24
S25 2	90	348/298.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:24
S25 3	338	348/312.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:24
S25 5	320	348/372.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:24



## EAST Search History

S25 7	1114239	(auto\$1focus\$4 or focus\$4 or zoom\$4 or lens (operat\$4 near3 lens) or (automatic adj focus\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:24
S25 8	2642	S257 with S239 with S240 and S236	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:24
S29 4	1198	(half or partial\$4) near2 (press\$4 or depress\$4) with (lens\$1stop or (lens near2 stop) or exposure or AE)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:24
S30 1	2568541	camera or imager or ccd or sensor or photo\$1detect\$4 or photo\$1sens\$4 or (imag\$4 near2 (captur\$4 or tak\$4 or pick\$1up or apparatus or device))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:24
S30 2	6	"5168364".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:24
S30 6	644	image same dct same block same ac same dc	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:24
S31 1	9	(shutter near3 speed) near5 (tim\$4 or frequenc\$4) with (power or battery or (supply near2 voltage)) near5 (level or chang\$4 or drop\$4 or below)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:24
S31 3	1307	(reset or read\$4out or flush\$4 or drain\$4 or dump\$4 or swep\$4 or swep\$1out) near5 (tim\$4 or frequenc\$4) with (power or battery or (supply near2 voltage)) near5 (level or chang\$4 or drop\$4 or below)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:24
S31 4	579	(reset or read\$4out or flush\$4 or drain\$4 or dump\$4 or swep\$4 or swep\$1out) near5 (tim\$4 or frequenc\$4) with (power or battery or (supply near2 voltage)) near5 (level or chang\$4 or drop\$4 or below) and ((solid near2 state) or ccd or cmos or imager or sensor or photodeector)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:24

## EAST Search History

S31 6	341	(reset or read\$4out or flush\$4 or drain\$4 or dump\$4 or swep\$4 or swep\$1out) near5 (tim\$4 or frequenc\$4) with (power or battery or (supply near2 voltage)) near5 (level or chang\$4 or drop\$4 or below) and (ccd or imager or sensor or photodeector)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/20 11:24
S32 0	555	348/345.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:24
S32 1	40	348/346.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:24
S32 2	100	348/348.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:24
S32 3	124	348/350.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:24
S32 4	71	348/353.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:24
S32 5	120	348/354.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:24
S32 6	47	348/355.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:24
S32 7	84	348/356.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:24

## EAST Search History

S32 8	110	348/221.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:24
S32 9	127	348/224.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:24
S33 0	31	348/235.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:24
S33 1	175	348/234.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/09/20 11:24